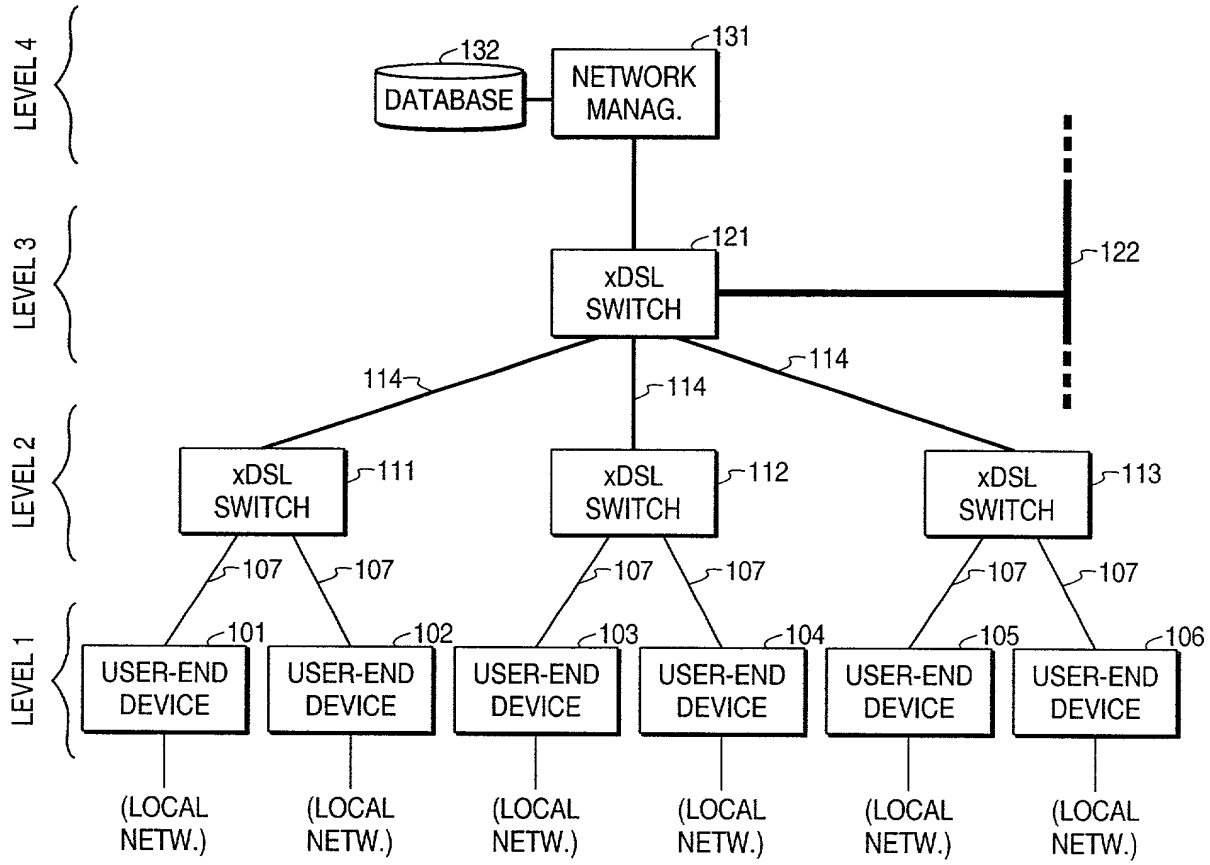

Fig. 1
PRIOR ART

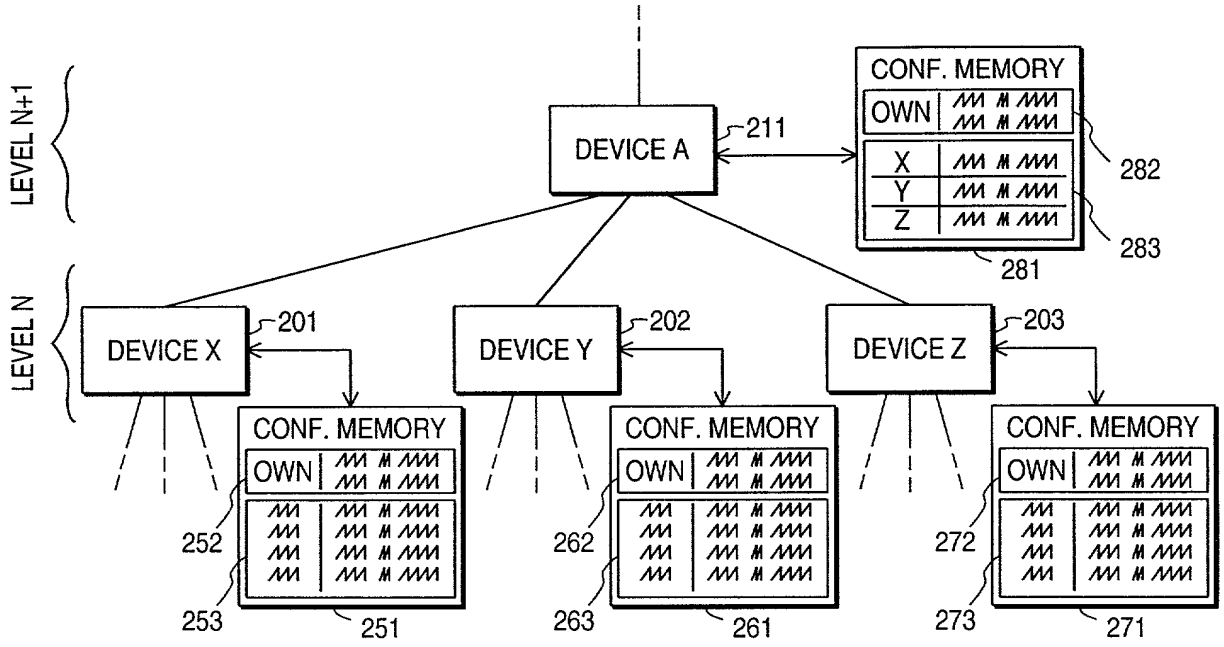
LEVEL N+1
LEVEL N
DEVICE A
211
CONF. MEMORY
OWN
X
Y
Z
282
283
281
DEVICE X
201
DEVICE Y
202
DEVICE Z
203
CONF. MEMORY
OWN
252
253
251
262
263
261
272
273
271

Fig. 2

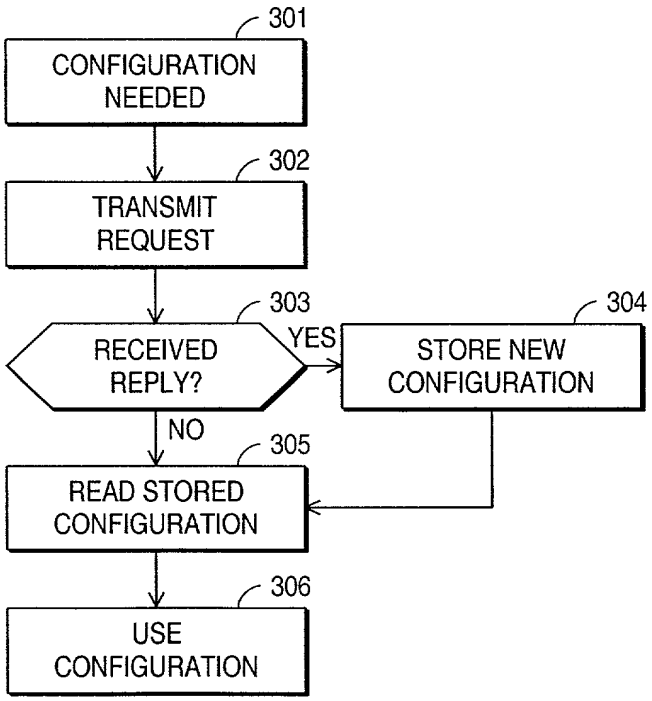
301
CONFIGURATION NEEDED
302
TRANSMIT REQUEST
303
RECEIVED REPLY?
YES
304
STORE NEW CONFIGURATION
NO
305
READ STORED CONFIGURATION
306
USE CONFIGURATION

Fig. 3

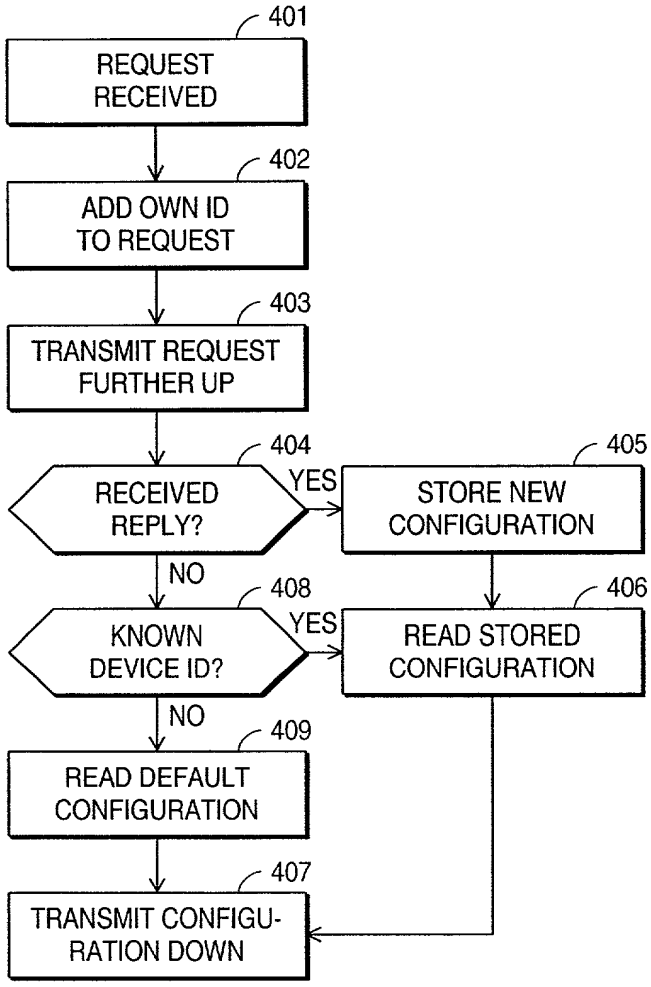
401
REQUEST RECEIVED
402
ADD OWN ID TO REQUEST
403
TRANSMIT REQUEST FURTHER UP
404
RECEIVED REPLY?
YES
405
STORE NEW CONFIGURATION
NO
408
KNOWN DEVICE ID?
YES
406
READ STORED CONFIGURATION
NO
409
READ DEFAULT CONFIGURATION
407
TRANSMIT CONFIGU-RATION DOWN

Fig. 4

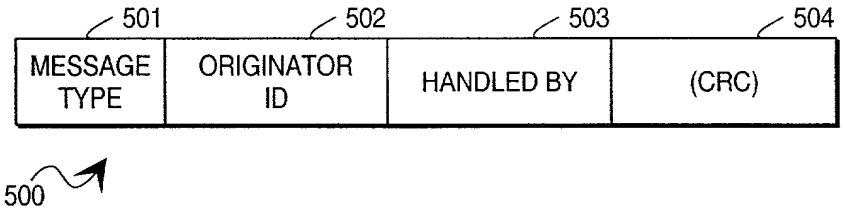
501
502
503
504
MESSAGE TYPE
ORIGINATOR ID
HANDLED BY
(CRC)
500

Fig. 5

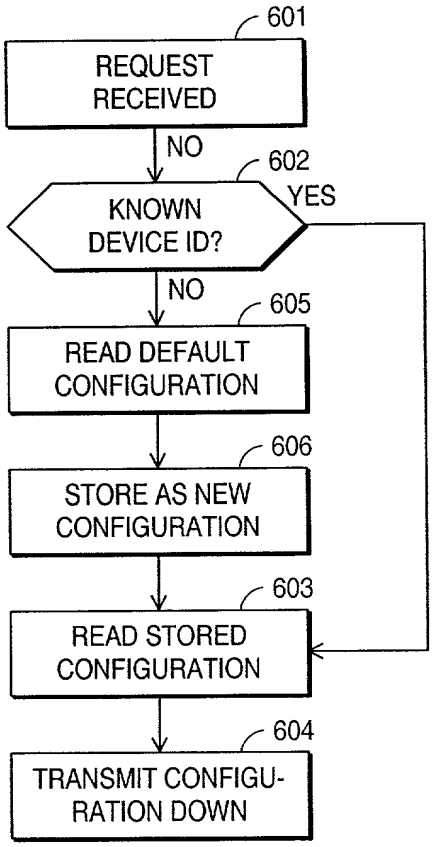
601
REQUEST RECEIVED
NO
602
KNOWN DEVICE ID?
YES
NO
605
READ DEFAULT CONFIGURATION
606
STORE AS NEW CONFIGURATION
603
READ STORED CONFIGURATION
604
TRANSMIT CONFIGU-RATION DOWN

Fig. 6

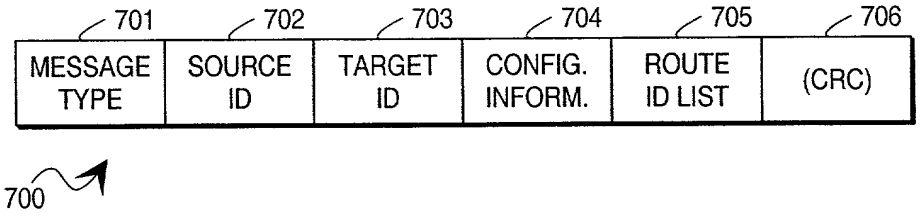
701
MESSAGE TYPE
702
SOURCE ID
703
TARGET ID
704
CONFIG. INFORM.
705
ROUTE ID LIST
706
(CRC)
700

Fig. 7

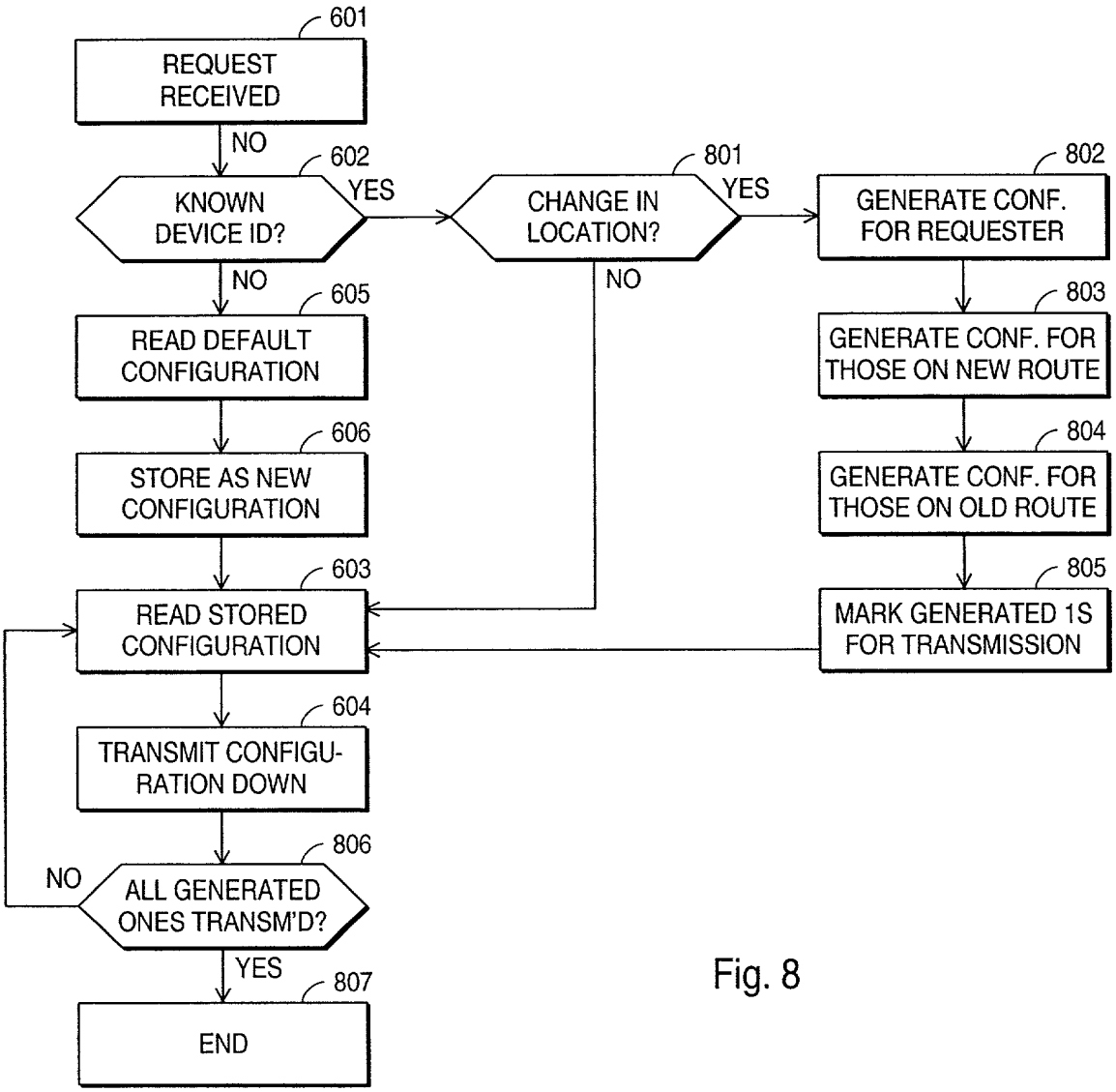
601
REQUEST RECEIVED
NO
602
KNOWN DEVICE ID?
YES
801
CHANGE IN LOCATION?
YES
802
GENERATE CONF. FOR REQUESTER
NO
NO
605
READ DEFAULT CONFIGURATION
803
GENERATE CONF. FOR THOSE ON NEW ROUTE
606
STORE AS NEW CONFIGURATION
804
GENERATE CONF. FOR THOSE ON OLD ROUTE
603
READ STORED CONFIGURATION
805
MARK GENERATED 1S FOR TRANSMISSION
604
TRANSMIT CONFIGU-RATION DOWN
806
NO
ALL GENERATED ONES TRANSM'D?
YES
807
END

Fig. 8

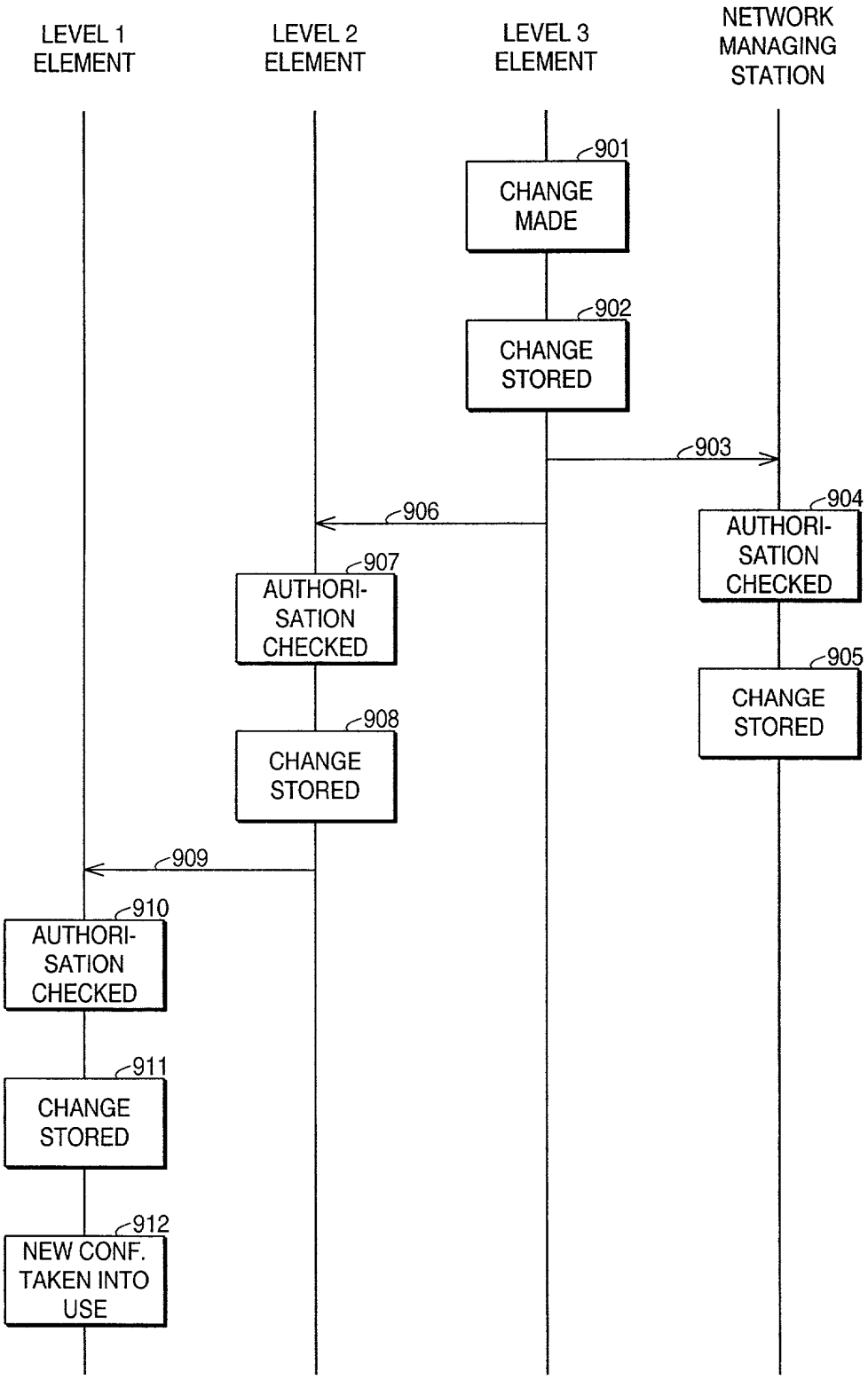
LEVEL 1 ELEMENT
LEVEL 2 ELEMENT
LEVEL 3 ELEMENT
NETWORK MANAGING STATION
901
CHANGE MADE
902
CHANGE STORED
903
904
AUTHORI-SATION CHECKED
905
CHANGE STORED
906
907
AUTHORI-SATION CHECKED
908
CHANGE STORED
909
910
AUTHORI-SATION CHECKED
911
CHANGE STORED
912
NEW CONF. TAKEN INTO USE

Fig. 9

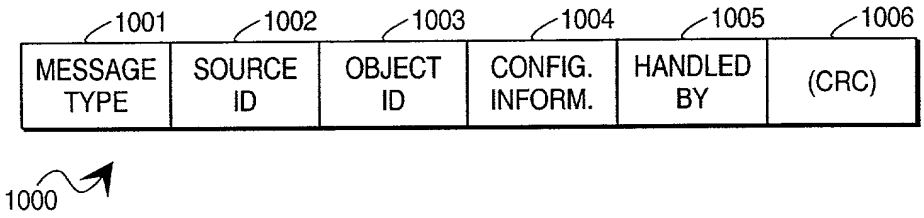

Fig. 10

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